

## CODING LOGIC - MINI PROJECT 2

# Payments Management System

githubLink :- <https://github.com/aomwankhede/PaymentsManagementSystem>

### Core Logic :-

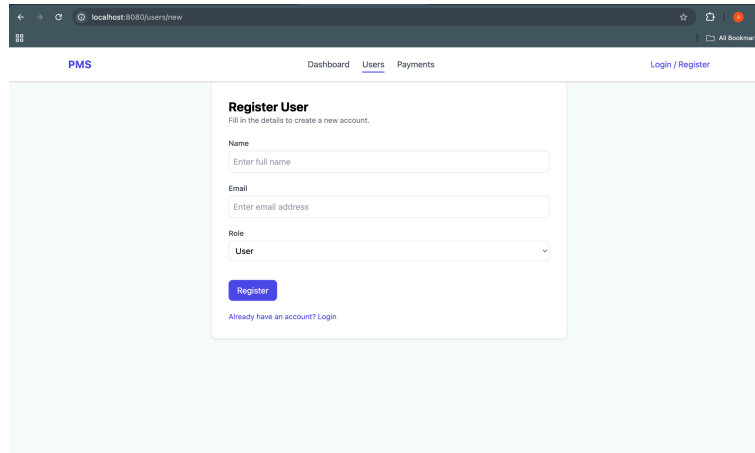
- 1) There are three types of users namely :- **Admin , Financial Manager , Users** with each of the groups having different levels of access over the application.
- 2) Admin have access to perform all the CRUD operations on both payments and users. Financial managers can view users but can not edit them but they have complete access over the payments, and the users can also view the users and payments but can't create or edit them.
- 3) To login , you need to register yourself first , the validation rule is that the length of name should be greater than or equal to two and email should be valid. There is a drop down which will decide the role that is created.
- 4) I have made a registration form just for the first user who will register himself as admin. **The registration form doesn't make sense here because the user is always created by admin** in this use case but the problem was who will create the first admin , that's why i have kept the registration form for simple setup and review.
- 5) You can see the list of users , and can filter the list based on it. For example, we want to see all the active users , filters on the basis of types and status are present. If you are an

admin user then you can also add users by clicking on the top right button.

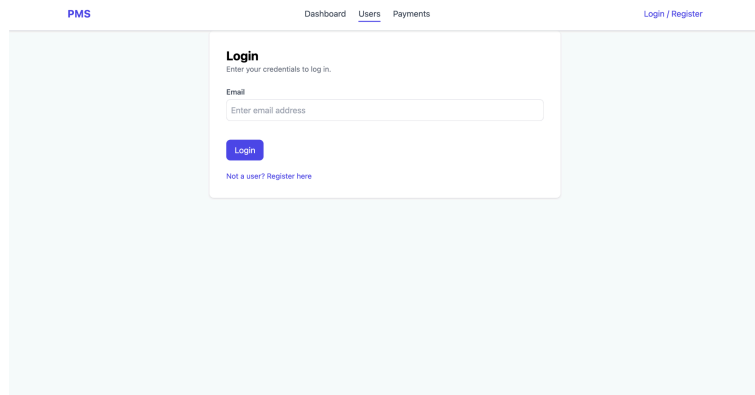
- 6) In the payments section , we can see the list of payments.  
The authorized individual can view , edit or delete payments by clicking on the buttons in the action column. On clicking on the view button , detailed information about that particular payment will be shown.
- 7) All the routes are protected and require auth so without logging in you can't see any payments list or users list , you will be redirected to the login page if you tried.
- 8) I have used **tailwind** for css , **vuex** for state management and **typescript** for maintaining type safety.
- 9) Unit tests of core components like Navbar , PaymentList , PaymentDetail , PaymentForm , UserList are written using **jest**. *For persistence, **local storage** of the browser is used.*
- 10) The user forms for registration , login , editing are using the same userForm component , they are getting reused similarly for payments.
- 11) The design has been made sure to be **responsive** for mobile phones also.
- 12) For setup instructions please refer to the **readme** file of the repository given.

# Screenshots :-

## 1) User Forms :-



The screenshot shows a web browser window with the URL `localhost:8080/users/new`. The page has a header with "PMS" on the left and navigation links "Dashboard", "Users", and "Payments" in the center. On the right, there is a link "Login / Register". The main content area features a "Register User" form. The form includes a title "Register User", a subtitle "Fill in the details to create a new account.", and three input fields: "Name" (with placeholder "Enter full name"), "Email" (with placeholder "Enter email address"), and "Role" (a dropdown menu with "User" selected). Below the inputs is a blue "Register" button. At the bottom of the form, there is a link "Already have an account? Login".



The screenshot shows the same web browser window, but the URL is `localhost:8080/users/login`. The header and navigation links are identical. The main content area features a "Login" form. The form includes a title "Login", a subtitle "Enter your credentials to log in.", and a single input field for "Email" (with placeholder "Enter email address"). Below the input field is a blue "Login" button. At the bottom of the form, there is a link "Not a user? Register here".



PMS

DashboardUsersPayments

AWAom WankhedeLogout

AW

Aom Wankhede

Logout

Edit Payment

Update payment details below.

User

Viraj V Wankhede (vir@gmail.com)

Amount (\$)

1105

Status

Completed

Category

Loan

Date

19/09/2025

Cancel

Update Payment

## 4) PaymentList :-

PMS

DashboardUsersPayments

AWAom WankhedeLogout

AW

Aom Wankhede

Logout

All Payments

+ Add Payment

Q Search payments...

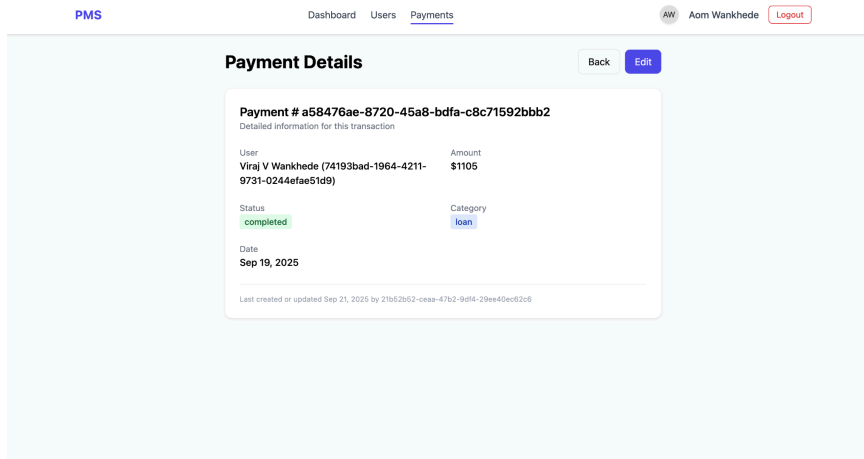
All Statuses

All Categories

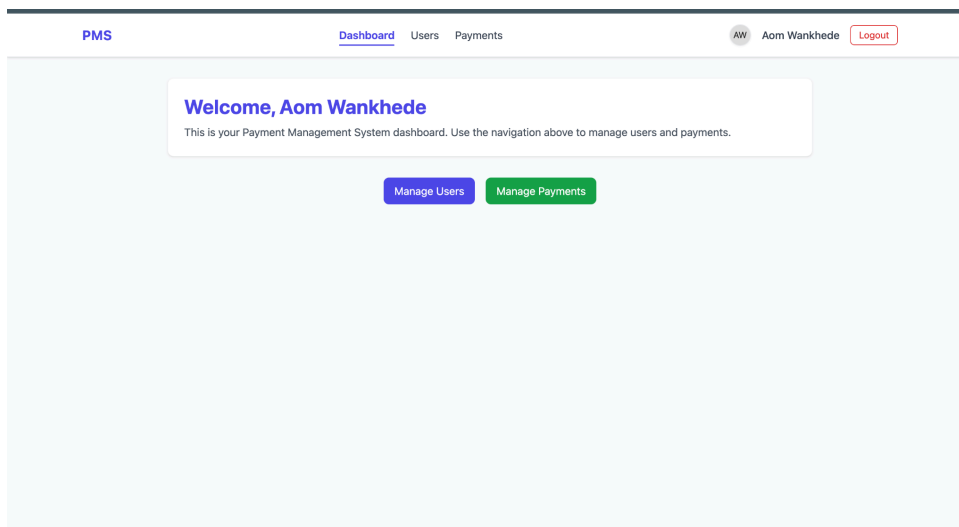
Clear Filters

Payment ID	User	Amount	Status	Category	Date	Actions
a58476ae-8728-45a8-bdfa-c8c71592bbb2	Viraj V Wankhede	\$1105	completed	loan	Sep 19, 2025	<div><div></div><div></div><div></div></div>
448b0cab-aea9-4ca3-a50e-8287519a5d47	dummy	\$3000	completed	subscription	Sep 20, 2025	<div><div></div><div></div><div></div></div>

## 5) PaymentDetails :-



## 6) Home Page :-



**Thank you !!**